

# Converting Colors

Hex(008421)

Have a look what the booklet for  
Hex(008421) contains.

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**Color**

**Hex(008421)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	008421
RGB	0, 132, 33
RGB Percent	0%, 52%, 13%
CMY	1.0000, 0.4824, 0.8706
CMYK	1.00, 0.00, 0.75, 0.48
HSL	135°, 100%, 26%
HSV	135°, 100%, 52%
XYZ	8.5258, 16.6123, 4.1960
YIQ	81.2460, -46.8930, -58.7730

# Conversions

## Conversions Part 2

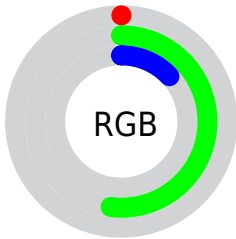
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 106, 132
Decimal	33825
CIELab	47.77, -51.04, 42.39
CIELCh	48, 66.347, 140.289
Yxy	16.6123, 0.2906, 0.5663
Android (android.graphics.Color)	4278223905 (0xFF008421)
YUV	81.2460, -23.7853, -71.2527
Hunter-Lab	40.7582, -33.9884, 22.4270

# Details

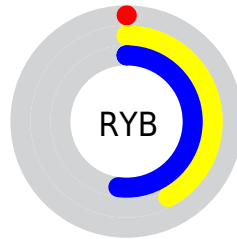
The Hex color **008421** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **840063**, and the grayscale version is **525252**.

A 20% lighter version of the original color is **51BA54**, and **005100** is the 20% darker color. If you saturate the color by 10%, you get **008421**, and if you desaturate by 10%, it is **0D842B**.

# Distribution



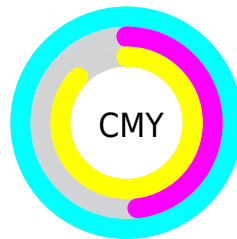
- Red (0%)
- Green (52%)
- Blue (13%)



- Red (0%)
- Yellow (42%)
- Blue (52%)



- Cyan (100%)
- Magenta (0%)
- Yellow (75%)
- Black (48%)



- Cyan (100%)
- Magenta (48%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 008421 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 008421 by changing the saturation by 10% instead.



 008421

 008421

FFFFFF

 006A02

 51BA54

 005100

 6FD66E

 003900

 8BF388

 002200

 A8FFA3

 000000

 C5FFBF

 E3FFDB

 FFFFF8

 008421

 0D842B

 1A8435

 28843F

 358449

 428453

 4F845C

 5C8466

 6A8470

 77847A

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



657A00



008421



00895D

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



008421



007EE1



D2334E

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



008421



840063

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



CB3286



008421



3F6BDB

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



008421



0087C7



A14EBA



BE4F18

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



008421



008A84



A14EBA



D32E61



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



008421



78AB84



638400



37573F



D6D6D6



575757



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



008421



00AB2B



008463



3C423D



008221



000301



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



840063



AB0080



840021



423C41



820062

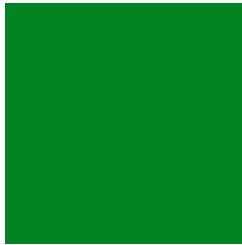


030002



# Previews

## White Background



This preview shows how the Hex color 008421 looks on a white background.

## Color Contrast Check

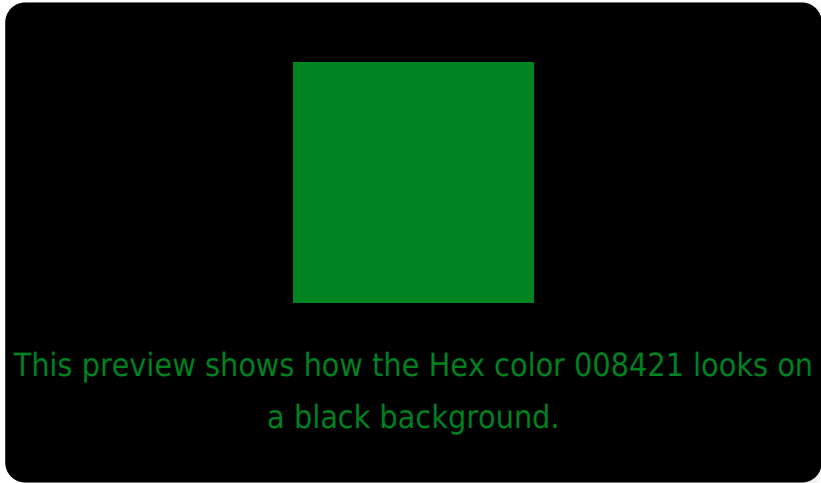
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 008421 Background



This preview shows how black text looks on a background with the Hex color 008421.



This preview shows how white text looks on a background with the Hex color 008421.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



**Original Color**  
008421

**Protanopia**  
7F711C

**Deuteranopia**  
8D6B2B



**Tritanopia**  
367B85

# Trichromacy



**Original Color**

008421



**Protanomaly**

51781E



**Deuteranomaly**

5A7427



**Tritanomaly**

227E61

# Monochromacy



**Original Color**

008421



**Achromatopsia**

515151



**Achromatomaly**

346440

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 008421 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #008421 looks like.

```
.text, #text, p{  
    color:#008421  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #008421 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #008421
}
```

## Border

The CSS property to change the border of an element to Hex 008421 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#008421 }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#008421 }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #008421 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #008421; -webkit-box-shadow:4px 4px  
4px 4px #008421; box-shadow:4px 4px 4px  
4px #008421 }
```

# Background

The CSS property to change the background color of an element to Hex 008421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#008421 }
```

If only the background color should be changed can be used:

```
.background{ background-color:#008421 }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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